Swap Exercises

Copyright © James Raynard 2021

Swapping

- Write a program which creates two std::string objects and swaps their data using
  - A member function of std::string
  - A non-member function from the standard library

Copyright © James Raynard 2021

Implementation of swap()

- What performance issues can arise when swapping two complex objects?
- How does the standard library address this?

Copyright © James Raynard 2021

Should we overload swap?

- Is it worthwhile overloading swap() for our own classes?
- What happens if we do not overload swap()?

Copyright © James Raynard 2021

Implementing swap

- What issues should we consider when overloading swap() for our class?

Copyright © James Raynard 2021

swap() overload example

- Write a simple class
- Implement an overload of swap() for your class
- Write a program to test your code

Copyright © James Raynard 2021